**The Core and MORE Instruction Checklist**

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| **The CCSS Standard: 5.MD.1**  **The Envision Lesson: 14-3 Units of Weight and Mass** | |
| **EXPLICIT INSTRUCTION**  **I do it, We do it, Y’all do it, You do it** | **ENGAGEMENT**  **All Students Saying, Writing, Doing** |
| **PROACTIVE PLANNING** | **VOCABULARY WORDS** |
| Materials Needed: Pan balance, box of large paper clips, several small objects (ie: tennis ball, rose, grape, etc), container of pennies   * Students need to understand the weight of an object is a measure of how heavy an object is. Mass is a measure of the quantity of matter in an object. Weight and mass are different measures. * Students need to know how to use a pan balance | weight, ounce, pound, ton, mass, milligram, gram kilogram |
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| **ANTICIPATORY SET** (5 MINUTES) | |
| 1. Begin with Daily Cumulative Review Activity (Spiral Math, A.D.D., Minute Math, Mtn. Math, etc.) 2. “Have you ever seen footage of astronauts in space? What did you notice about their weight?” (Discuss how astronauts in space become weightless.) “Weight and mass are different measures.” | * Choral Responses * Partner Responses * Written Responses * Random call on students (No hand raising) |
| **BUILDING A FOUNDATION** (5-10 MINUTES) | |
| 1. Have students write vocabulary words and definitions in math journals.  2. Review rules of pan balances | * Choral Responses * Partner Responses * Written Responses * Random call on students (No hand raising) |
| **WHOLE GROUP INSTRUCTION: Concrete** (10-15 MINUTES) | |
| 1. Pass out supplies to each group: 4-6 different objects to be weighed, pan balance, paper clips  2. Assign students to weigh and record each object’s weight in paper clips. Record results in journal.  3. Collect all data on class chart, ranking each object from lightest to heaviest. | * Choral Responses * Partner Responses * Written Responses   + Paper   + Math Journal   + Individual Whiteboards   + Student page from the topic pouch * Random call on students (No hand raising) |
| **SCAFFOLDED INSTRUCTION: Representational** (15-20 MINUTES) | |
| 1. Have students determine how many paper clips are equal to 10 pennies (10 pennies = 1 oz.)  2. Assign students to weigh and record each object again, but in pennies. Record results in journal.  3. Add this new info to results on class chart. | * Choral Responses * Partner Responses * Written Responses * Random call on students (No hand raising) |
| **INDEPENDENT PRACTICE: ABSTRACT (**15-20 MINUTES) | |
| Assign Math Book p. 352 even problems only | * Choral Responses * Partner Responses * Written Responses * Random call on students (No hand raising) |
| **HOMEWORK** Practice Master 14-3 p.47 | |